

## THURSDAY, February 1 • 8:00 AM - 10:00 AM • Chantilly Ballroom

Time	Abstract	Oral Plenary I
8:00am	1	<p><b>Tranexamic acid for the prevention of postpartum hemorrhage after vaginal delivery: the TRAAP trial</b>  <b>Loïc Sentilhes</b><sup>1,2</sup>, Norbert Winer<sup>3,4</sup>, Elie Azria<sup>5,6</sup>, Marie Victoire Sénat<sup>7</sup>, Camille Le Ray<sup>6,8</sup>, Delphine Vardon<sup>9</sup>, Franck Perrotin<sup>10</sup>, Raoul Desbrière<sup>11</sup>, Florent Fuchs<sup>12,13</sup>, Gilles Kayem<sup>6,14</sup>, Guillaume Ducarme<sup>15</sup>, Muriel Doret-Dion<sup>16</sup>, Cyril Huissoud<sup>17</sup>, Caroline Bohec<sup>18</sup>, Philippe Deruelle<sup>19</sup>, Astrid Darsonval<sup>20,21</sup>, Jean-Marie Chrétien<sup>22</sup>, Aurélien Seco<sup>6</sup>, Valérie Daniel<sup>20,21</sup>, Catherine Deneux-Tharoux<sup>6</sup>, Groupe de Recherche en Obstétrique et Gynécologie (GROG)</p> <p><sup>1</sup>Department of Obstetrics and Gynecology, Bordeaux University Hospital, Bordeaux, France, <sup>2</sup>Department of Obstetrics and Gynecology, Angers University Hospital, Angers, France, <sup>3</sup>Department of Obstetrics and Gynecology, University Medical Center of Nantes; Centre d'Investigation Clinique CIC Mere enfant, Nantes, France, <sup>4</sup>National Institute of Agricultural Research (INRA), UMR 1280, Physiology of Nutritional Adaptations, University of Nantes, IMAD and CRNH-Ouest, Nantes 44000, France, <sup>5</sup>Maternity unit, Paris Saint Joseph Hospital, Paris Descartes University, Paris, France, <sup>6</sup>INSERM U1153, Obstetrical, Perinatal and Pediatric Epidemiology Research Team, Center for Epidemiology and Statistics, Sorbonne Paris Cité, DHU Risks in Pregnancy, Paris Descartes University, Paris, France, <sup>7</sup>Department of Obstetrics and Gynecology, Kremlin-Bicetre University Hospital, Assistance Publique-Hôpitaux de Paris, Paris, France, <sup>8</sup>Port Royal Maternity Unit, Cochin Hospital, Assistance Publique-Hôpitaux de Paris, Paris, France; DHU Risks in Pregnancy; Paris Descartes University, Paris, France, <sup>9</sup>Department of Obstetrics and Gynecology, Caen University Hospital, Caen, France, <sup>10</sup>Department of Obstetrics and Gynecology, Tours University Hospital, Tours, France, <sup>11</sup>Department of Obstetrics and Gynecology, Saint-Joseph Hospital, Marseille, France, <sup>12</sup>Department of Obstetrics and Gynecology, Montpellier University Hospital, Montpellier, France, <sup>13</sup>Inserm, CESP Centre for research in Epidemiology and Population Health, U1018, Reproduction and child development, Villejuif, France, <sup>14</sup>Department of Obstetrics and Gynecology, Trousseau Hospital, Assistance Publique-Hôpitaux de Paris, Paris, France, <sup>15</sup>Department of Obstetrics and Gynecology, Centre Hospitalier Départemental, La Roche sur Yon, France, <sup>16</sup>Department of Obstetrics and Gynecology, Hospices Civils de Lyon, Hospital Femme-Mère-Enfant, University Lyon 1, France, <sup>17</sup>Department of Obstetrics and Gynecology, Croix Rousse University Hospital, Lyon, France, <sup>18</sup>Department of Obstetrics and Gynecology, François Mitterrand Hospital, Pau, France, <sup>19</sup>Department of Obstetrics and Gynecology, Jeanne de Flandre University Hospital, Lille, France, <sup>20</sup>Department of Pharmacy, Angers University Hospital, Angers, France, <sup>21</sup>PPRIGO (Production Pharmaceutique pour la Recherche Institutionnelle du Grand Ouest), Brest University Hospital, Brest, France, <sup>22</sup>Department of Clinical Research, Angers University Hospital Angers, France</p>
8:15am	2	<p><b>DNA methylation of genes in the maternal HPA axis during pregnancy is linked with birth outcomes</b>  <b>Douglas Williamson</b><sup>1</sup>, Nourhan M. Elsayed<sup>1</sup>, Hyagriv Simhan<sup>2</sup>, William Grobman<sup>3</sup>, Lauren Keenan-Devlin<sup>4</sup>, Emma Adam<sup>5</sup>, Claudia Buss<sup>6</sup>, Jennifer Culhane<sup>7</sup>, Sonja Entringer<sup>6</sup>, Pathik Wadhwa<sup>8</sup>, Greg Miller<sup>9</sup>, Ann Borders<sup>4</sup></p> <p><sup>1</sup>Duke University, Department of Psychiatry and Behavioral Sciences, School of Medicine, Durham, NC, <sup>2</sup>University of Pittsburgh School of Medicine, Division of Maternal-Fetal Medicine, Pittsburgh, PA, <sup>3</sup>Northwestern University Feinberg School of Medicine, Department of Obstetrics and Gynecology, Division of Maternal-Fetal Medicine, Chicago, IL, <sup>4</sup>Department of Obstetrics and Gynecology, Division of Maternal Fetal Medicine, NorthShore University Health System, University of Chicago Pritzker School of Medicine, Chicago, IL, <sup>5</sup>Northwestern University, School of Education and Social Policy, Chicago, IL, <sup>6</sup>Charité, Universitätsmedizin, Berlin, Germany, <sup>7</sup>Children's Hospital of Philadelphia, Division of Adolescent Medicine, Philadelphia, PA, <sup>8</sup>UCI Development, Health and Disease Research Program, University of California Irvine, Irvine, CA, <sup>9</sup>Northwestern University, Department of Psychology, Chicago, IL</p>
8:30am	3	<p><b>Timing of serial ultrasound in at risk pregnancies: a randomized controlled trial (SUN Trial)</b>  <b>Robyn P. Roberts</b><sup>1,2</sup>, Baha M. Sibai<sup>1</sup>, Sean C. Blackwell<sup>1</sup>, Suneet P. Chauhan<sup>1</sup></p> <p><sup>1</sup>McGovern Medical School at The University of Texas Health Science Center at Houston (UT Health), Houston, TX, <sup>2</sup>Henry Ford Health System, Detroit, MI</p>
8:45am	4	<p><b>Reducing time to treatment for severe maternal hypertension through statewide quality improvement</b>  <b>Patricia Lee King</b><sup>1</sup>, Lauren Keenan-Devlin<sup>2</sup>, Camille Gordon<sup>2</sup>, Satyender Goel<sup>1</sup>, Ann Borders<sup>2</sup></p> <p><sup>1</sup>Northwestern University Feinberg School of Medicine, Chicago, IL, <sup>2</sup>NorthShore University HealthSystem, Evanston, IL</p>
9:00am	5	<p><b>Valnoctamide rescues CMV-induced deafness in a murine model</b>  <b>Sara Ornaghi</b><sup>1,2</sup>, Jun-Ping Bai<sup>1</sup>, Dhasakumar Navaratnam<sup>1</sup>, Joseph Santos-Sacchi<sup>1</sup>, Patrizia Vergani<sup>2</sup>, Anthony van den Pol<sup>1</sup>, Michael J. Paidas<sup>1</sup></p> <p><sup>1</sup>Yale University, New Haven, CT, <sup>2</sup>University of Milan-Bicocca, Monza, Italy</p>
9:15am	6	<p><b>The impact of the HYPITAT I trial on obstetric management and outcome for gestational hypertension and preeclampsia in the Netherlands</b>  <b>Catherine de Sonnaville</b><sup>1</sup>, Ben Willem Mol<sup>2</sup>, Henk Groen<sup>3</sup>, Floortje Vlemmix<sup>4</sup>, Joke Schutte<sup>5</sup>, Chantal Hukkelhoven<sup>6</sup>, Marielle van Pampus<sup>1</sup></p> <p><sup>1</sup>OLVG, Amsterdam, Netherlands, <sup>2</sup>University of Adelaide, Adelaide, Australia, <sup>3</sup>University Medical Centre Groningen, Groningen, Netherlands, <sup>4</sup>Academic Medical Centre, Amsterdam, Netherlands, <sup>5</sup>Isala klinieken, Zwolle, Netherlands, <sup>6</sup>Perined, Utrecht, Netherlands</p>
9:30am	7	<p><b>Maternal administration of melatonin for prevention of preterm birth and fetal brain injury associated with premature birth in a mouse model</b>  <b>Ji Yeon Lee</b><sup>1,2</sup>, Eunna Kim<sup>3</sup>, Jong Yun Hwang<sup>4</sup>, Hang Seok Song<sup>5</sup></p> <p><sup>1</sup>Department of Obstetrics and Gynecology, CHA Bundang Medical Center, CHA University School of Medicine, Seongnam, Korea, Republic of, <sup>2</sup>Integrated Research Center for Fetal medicine, Department of Gynecology and Obstetrics, Johns Hopkins University, Baltimore, MD, <sup>3</sup>Department of Pathology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea, Republic of, <sup>4</sup>Department of Obstetrics and Gynecology, Kangwon national university school of medicine, Chuncheon, Korea, Republic of, <sup>5</sup>Department of Biomedical Science, College of Life Science, CHA University, Seongnam, Korea, Republic of</p>
9:45am	8	<p><b>Oxygen for category ii intrauterine fetal resuscitation: a randomized, noninferiority trial</b>  <b>Nandini Raghuraman</b>, Leping Wan, Lorene A. Temming, Candice Woolfolk, George A. Macones, Methodius G. Tuuli, Alison G. Cahill</p> <p>Washington University School of Medicine in St Louis, St Louis, MO</p>

## THURSDAY, February 1 • 1:15 PM - 4:00 PM • Chantilly Ballroom East

Time	Abstract	Oral Concurrent 1 - Prematurity
1:15pm	9	<p><b>The role of Nur77 in perinatal neuroinflammation in a preterm labor mouse model</b>  <b>Sarah M. Estrada</b><sup>1</sup>, Andrew S. Thagard<sup>1</sup>, Irina Burd<sup>2</sup>, Peter G. Napolitano<sup>1</sup>, Nicholas Ieronimakis<sup>1</sup></p> <p><sup>1</sup>Madigan Army Medical Center, Olympia, WA, <sup>2</sup>Johns Hopkins School of Medicine, Baltimore, MD</p>

Blue type in each byline indicates the presenting/primary author.

**THURSDAY, February 1 • 1:15 PM - 4:00 PM • Chantilly Ballroom East (continued)**

Time	Abstract	Oral Concurrent 1 - Prematurity
1:30pm	10	<b>Pessary to prevent preterm birth after an episode of threatened preterm labor (APOSTEL VI): a randomized controlled trial</b> <b>Frederik J. Hermans</b> <sup>1</sup> , Ewoud Schuit <sup>2</sup> , Hubertina Scheepers <sup>3</sup> , Mallory Woiski <sup>4</sup> , Marieke Sueters <sup>5</sup> , Mireille Bekker <sup>6</sup> , Maureen Franssen <sup>7</sup> , Marjon de Boer <sup>8</sup> , Eva Pajkrt <sup>1</sup> , Ben Willem Mol <sup>9</sup> , Marjolein Kok <sup>1</sup> <sup>1</sup> Academic Medical Center, Amsterdam, Netherlands, <sup>2</sup> Julius Center for Health Sciences and Primary Care, Utrecht, Netherlands, <sup>3</sup> Maastricht University Medical Center, Maastricht, Netherlands, <sup>4</sup> Radboud University Medical Center, Nijmegen, Netherlands, <sup>5</sup> Leiden University Medical Center, Leiden, Netherlands, <sup>6</sup> University Medical Center Utrecht, Utrecht, Netherlands, <sup>7</sup> University Medical Center Groningen, Groningen, Netherlands, <sup>8</sup> VU University Medical Center, Amsterdam, Netherlands, <sup>9</sup> The Robinson Research Institute, Adelaide, Australia
1:45pm	11	<b>Beyond preeclampsia: low dose aspirin reduces spontaneous preterm birth</b> <b>Maria Andrikopoulou</b> <sup>1</sup> , Stephanie E. Purisch <sup>2</sup> , Roxane Handal-Orefice <sup>2</sup> , Cynthia Gyamfi-Bannerman <sup>2</sup> <sup>1</sup> Department of Obstetrics and Gynecology, NYU Winthrop University Hospital, Mineola, NY, <sup>2</sup> Division of Maternal Fetal Medicine, Department of Obstetrics and Gynecology, Columbia University Medical Center, New York, NY
2:00pm	12	<b>The predictive capacity of uterine artery doppler for preterm birth - a prospective cohort study</b> <b>Maud D. van Zijl</b> <sup>1</sup> , Bouchra Koullali <sup>1</sup> , Ben Willem J. Mol <sup>2</sup> , Rosalinde J. Snijders <sup>1</sup> , Brenda M. Kazemier <sup>1</sup> , Eva Pajkrt <sup>1</sup> <sup>1</sup> AMC Amsterdam, Amsterdam, Netherlands, <sup>2</sup> The Robinson Research Institute, School of Paediatrics and Reproductive Health, Adelaide, Australia
2:15pm	13	<b>Antenatal steroids and neonatal hypoglycemia</b> <b>Kristina E. Sondgeroth</b> , Molly J. Stout, Ebony B. Carter, George A. Macones, Alison G. Cahill, Methodius G. Tuuli Washington University in St. Louis, St. Louis, MO
2:30pm	14	<b>Extracellular vesicle proteomic markers obtained at 12 weeks predict spontaneous preterm birth less than 35 weeks gestation: a validation with specific characterization of marker behavior by fetal gender and parity</b> <b>Thomas McElrath</b> <sup>1,2</sup> , David E. Cantonwine <sup>1,2</sup> , Arun Jeyabalan <sup>3</sup> , Robert Doss <sup>4</sup> , Gail Page <sup>4</sup> , James M. Roberts <sup>5,6</sup> , Brian Brohman <sup>4</sup> , Kevin P. Rosenblatt <sup>4,7</sup> <sup>1</sup> Brigham & Women's Hospital, Boston, MA, <sup>2</sup> Harvard Medical School, Boston, MA, <sup>3</sup> Magee-Women's Research Institute, and Reproductive Sciences, University of Pittsburgh School of Medicine, Pittsburgh, PA, <sup>4</sup> NX Prenatal Inc, Louisville, KY, <sup>5</sup> Magee-Women's Research Institute, and Reproductive Sciences, University of Pittsburgh School of Medicine, Pittsburgh, KY, <sup>6</sup> Global Pregnancy Collaboration, Pittsburgh, PA, <sup>7</sup> Division of Oncology, Department of Internal Medicine, University of Texas Health Science Center at Houston, McGovern Medical School, Houston, TX
2:45pm	15	<b>Gardnerella vaginalis and spontaneous preterm birth: new insights</b> <b>Katherine L. Downes</b> <sup>1</sup> , Jacques Ravel <sup>2</sup> , Pawel Gajer <sup>2</sup> , Michal A. Elovitz <sup>1</sup> <sup>1</sup> University of Pennsylvania, Philadelphia, PA, <sup>2</sup> University of Maryland, Baltimore, MD
3:00pm	16	<b>Predicting vaginal delivery in women undergoing induction of labor at preterm</b> <b>Tetsuya Kawakita</b> <sup>1</sup> , Chun-Chih Huang <sup>2</sup> , Tamika C. Auguste <sup>1</sup> , David Bauer <sup>3</sup> , Rachael T. Overcash <sup>1</sup> <sup>1</sup> MedStar Washington Hospital Center, Washington, DC, <sup>2</sup> MedStar Health Research Institute, Hyattsville, MD, <sup>3</sup> MedStar Simulation Training & Education Lab, Washington, DC
3:15pm	17	<b>Antenatal late preterm steroids: a cost analysis</b> <b>Cynthia Gyamfi-Bannerman</b> for the Eunice Kennedy Shriver National Institute of Child Health and Human Development Maternal-Fetal Medicine Units Network, Bethesda, MD
3:30pm	18	<b>Ethyl pyruvate: a novel therapeutic agent to prevent inflammation induced preterm birth</b> <b>Bethany T. Stetson</b> <sup>1</sup> , Brian A. Kellert <sup>1</sup> , Guomao Zhao <sup>2</sup> , Manel Guessas <sup>2</sup> , Megan C. Locke <sup>2</sup> , William E. Ackerman <sup>1</sup> , Catalin S. Buhimschi <sup>1</sup> , Irina A. Buhimschi <sup>2</sup> <sup>1</sup> The Ohio State University College of Medicine, Columbus, OH, <sup>2</sup> Nationwide Children's Hospital Center for Perinatal Research, Columbus, OH
3:45pm	19	<b>Distinct microbiota from the cervicovaginal space compromise the cervical epithelial barrier and alter expression of microRNAs</b> <b>Carolynn M. Dude</b> , Anissa Saylany, Amy Brown, Lauren Anton, Michal Elovitz University of Pennsylvania, Philadelphia, PA

**THURSDAY, February 1 • 1:15 PM - 4:00 PM • Chantilly Ballroom West**

Time	Abstract	Oral Concurrent 2 - Basic Science 1
1:15pm	20	<b>Progesterone in preterm delivery might protect the fetal brain by inhibition of specific inflammatory &amp; oxidative pathways in a rodent model</b> <b>Yuval Ginsberg</b> , Ola Gutzeit, Nizar Khatib, Salim Hadad, Ofer Fainaru, Zeev Weiner, Ron Beloosesky Rambam Health Care Campus, Haifa, Israel
1:30pm	21	<b>Transcriptomics to measure high fat diet and metformin effects on fetal gene expression in an obese mouse model</b> <b>Matthew R. Grace</b> , Neeta L. Vora, Lisa Smeester, Sarah Dotters-Katz, Rebecca Fry, Victoria Bae-Jump, Kim Boggess University of North Carolina School of Medicine, Chapel Hill, NC
1:45pm	22	<b>Identifying zika virus (ZIKV)-silenced gene targets in the placenta at a transcriptome-wide scale using AGO-CLIP sequencing technology</b> <b>Kjersti Aagaard</b> , Maxim Seferovic, Mark Hamilton, Min Hu, Rodion Gorchakov, Kristy Murray, Melissa Suter Baylor College of Medicine, Houston, TX

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